



**FOR FURTHER INFORMATION, PLEASE REFER TO THE SDS FOLLOWING**

Issue: March 2022

**PRODUCT:** Exxsol™ D60  
**Other Names:** N/A  
**Uses:** Solvent  
**Signal Word:** DANGER

<b>UN No.</b>	N/R
<b>Dangerous Goods Class</b>	N/R
<b>Subsidiary Risk</b>	N/R
<b>Pack Group</b>	N/R
<b>Hazchem</b>	N/R

<b>Hazardous Nature:</b>	This product is classified as hazardous under GHS (7th revised edition) in accordance with the New Zealand Hazardous Substances (Hazard Classification) Notice 2020
<b>Hazardous Classification:</b>	Flammable liquids, Cat. 4; Aspiration hazard, Cat. 1
<b>HSNO Approval Number:</b>	HSR002649
<b>NZ Exposure Standards:</b>	TWA: Oil mist, mineral: 5 mg/m <sup>3</sup> ; STEL: Oil mist, mineral: 10 mg/m <sup>3</sup>

**Physical Characteristics (Typical)**

**Section 9 of SDS**

Appearance	Clear, colourless liquid
Boiling Point/ Range (°C):	186-213
Flash Point (°C):	65
Density (kg/m <sup>3</sup> @15°C):	790
Chemical Stability:	Stable at room temperature and pressure

**Product Ingredients**

**Section 3 of SDS**

Naphtha (petroleum), hydrotreated heavy	64742-48-9	100%
---	------------	------

For further ingredients information, please refer to the full SDS.

**GHS Pictograms**

**Section 2 of SDS**



For further risk and safety information, please refer to the full SDS.

**DEFINITIONS**

<b>Dangerous Goods</b>	Products that are classified as Dangerous for Storage and Transport: these products are allocated a UN No., with accompanying Class, Pack Group, and Sub. Risk, if required. Products that do not have a specific description under the code, but have low flash points, or such, must be classified under their most significant risk, eg. Flammable Goods N.O.S. (Not otherwise specified), UN 1993. Products not classed as Dangerous Goods are designated as not regulated for transport or N/R (non-regulated).
<b>Hazardous Substance</b>	Products are considered to be Hazardous if they pose an intrinsic risk to human or environmental health, such as mutagens (able to change DNA), teratogens (able to result in birth defects), carcinogens (able to generate cell abnormalities), etc. Materials classified with risks such as potential for misuse, like flammability, or explosions when heated and ignited, may be both classed as Dangerous Goods and Hazardous Substances.

**1. IDENTIFICATION**

<b>Product Name:</b>	Exxsol™ D60
<b>Other Names:</b>	N/A
<b>Chemical Family:</b>	Dearomatised hydrocarbon
<b>Recommended Use:</b>	Solvent
<b>Manufacturer:</b>	ExxonMobil Chemical
<b>Supplier:</b>	ASCC Limited
<b>Street Address:</b>	112A Bush Road, Rosedale, Auckland, New Zealand
<b>Telephone:</b>	(09) 966 2447
<b>Emergency phone:</b>	<b>0800 243 622 (24 hours)</b> <b>+64 4 917 9888 (Outside NZ)</b>
<b>National Poisons Centre:</b>	0800 764 766

**2. HAZARDS IDENTIFICATION****Hazardous Nature**

This product is classified as hazardous under GHS (7th revised edition) in accordance with the New Zealand Hazardous Substances (Hazard Classification) Notice 2020

**Hazardous Classification**

Flammable liquids, Cat. 4; Aspiration hazard, Cat. 1

**GHS Pictograms**

**Signal Word** DANGER

**Dangerous Goods Classification** N/R

**Hazard Statements**

H227: Combustible liquid

H304: May be fatal if swallowed and enters airways

**Precautionary Statements**

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P280: Wear protective gloves/clothing and eye/face protection.

**Response Statements**

P301+ P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor.

P331: Do NOT induce vomiting.

P370 + P378: In case of fire: Use dry chemical, carbon dioxide, foam, water spray or fog to extinguish

**Storage Statements**

P403: Store in a well ventilated place.

P405: Store locked up.

**Disposal Statements**

P501: Dispose of contents/container in accordance with local/regional/national/international regulation.

**3. COMPOSITION: Information on Ingredients**

Chemical Ingredient	CAS No.	Proportion (%v/v)
Naphtha (petroleum), hydrotreated heavy	64742-48-9	100

**4. FIRST AID MEASURES**

For advice, contact National Poisons Centre (Phone New Zealand: 0800 764 766) or a doctor.

**Inhalation**

Move the victim to fresh air and keep at rest in a position comfortable for breathing. For those providing assistance, avoid exposure to yourself or otherse - use respiratory protection. Begin artificial respiration if breathing has stopped. If respiratory irritation, dizziness, nausea or unconsciousness occurs, seek immediate medical assistance.

**Skin/Hair Contact**

If skin contact occurs, remove contaminated clothing and wash skin with soap and water. If skin irritation occurs, get medical advice. Launder contaminated clothing before re-use.

**Eye Contact**

Hold eyelids apart and flush the eye with running water for at least 15 minutes. Seek medical attention if irritation persists

**Ingestion**

If swallowed, do NOT induce vomiting. Obtain immediate medical advice. If vomiting occurs spontaneously, keep head below hips to prevent aspiration into lungs.

**Most Important Symptoms and Effects**

Repeated exposure may cause skin dryness or cracking. Mildly irritating to skin. May be irritating to the eyes, nose, throat, and lungs.

**First Aid facilities**

Provide eye baths and safety showers.

**Medical Attention**

Treat according to symptoms. Avoid gastric lavage: risk of aspiration of product to the lungs with the potential to cause chemical pneumonitis.

**5. FIRE FIGHTING MEASURES**

Shut off product that may 'fuel' a fire if safe to do so. Allow trained personnel to attend a fire in progress, providing firefighters with this Safety Data Sheet. Prevent extinguishing media from escaping to drains and waterways.

**Suitable Extinguishing Media**

Water fog, foam, dry chemical or carbon dioxide. Do not use straight streams of water

**Specific Hazards Arising from the Material**

Material is combustible.

**Hazards from combustion products**

Carbon monoxide, carbon dioxide, other pyrolysis products typical of burning organic material.

**Fire-fighting Precautions**

Evacuate area. Prevent runoff from fire control or dilution from entering streams, swers, or drinking water supply. Use water spray to cool fire exposed surfaces and to protect personnel.

**Special Protective Equipment**

Full protective clothing and self contained breathing apparatus

**Hazchem Code:** N/R

**6. ACCIDENTAL RELEASE MEASURES****Emergency Procedures**

Prevent material from escaping to drains and waterways. Contain leaking packaging in a containment vessel. Prevent vapours from building up in confined areas. Ensure that drain valves are closed at all times. Clean up and report spills immediately.

**Personal Precautions**

Avoid contact with spilled material. Wear protective equipment including respiratory protection.

Work gloves that are resistant to aromatic hydrocarbons are recommended. Note: gloves made of polyvinyl acetate (PVA) are not water resistant and are not suitable for emergency use. For small spills: normal antistatic work clothes are usually adequate. For large spills: full body suit of chemical resistant, antistatic material is recommended.

**Environmental Precautions**

Prevent spillage from entering drains or water courses. Dyke far ahead of liquid spill.

**Methods and Materials for Containment**

Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area). Stop leak if you can do so without risk. All equipment used when handling the product must be grounded. Do not touch or walk through spilled material. Prevent entry into

waterways, sewer, basements or confined areas. A vapour-suppressing foam may be used to reduce vapour. Use clean non-sparking tools to collect absorbed material. Large Spills: Water spray may reduce vapour, but may not prevent ignition in enclosed spaces. Recover by pumping or with suitable absorbent.

#### Major land spill

- Eliminate sources of ignition
- Warn occupants of downwind areas of possible fire/explosion or toxicity hazard
- Prevent product from entering sewers, watercourses, or low-lying areas
- Keep the public away from the area
- Shut off the source of the spill if possible and safe to do so
- Advise authorities if substance has entered a watercourse or sewer or has contaminated soil or vegetation
- Take measures to minimise the effect on ground water
- Contain any spilled liquid with sand or earth
- Recover liquid spills by pumping – use explosion proof pump or hand pump – or with a suitable absorbent material
- Recover solid spills by mechanical collection methods; cover and prevent dusts or particles from spreading – consider wetting the product down, without diluting it – and vacuum or sweep up
- Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations
- See “First Aid Measures” and “Stability and Reactivity”

#### Major water spill

- Eliminate any sources of ignition
- Warn occupants and shipping in downwind areas of possible fire/explosion or toxicity hazard
- Notify the port or relevant authority and keep the public away from the area
- Shut off the source of the spill if possible and safe to do so
- Confine the spill if possible
- Remove the product from the surface by skimming or with suitable absorbent material
- Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations
- See “First Aid Measures” and “Stability and Reactivity”.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

Avoid contact with skin. Prevent small spills and leakage to avoid slip hazard. Material can accumulate static charges which may cause an electrical spark (ignition source). Use proper bonding and/or grounding procedures. (However, bonding and grounds may not eliminate the hazard from static accumulation). Handle containers with care; open slowly in order to control possible pressure release.

Loading/unloading temperature: Ambient

Transport temperature: Ambient

### Conditions for safe storage

The type of container used to store the material may affect static accumulation and dissipation. Keep container closed and handle with care. Storage containers should be earthed and bonded.

Storage temperature: Ambient.

### Storage compatibility

Suitable materials and coatings: Carbon steel, stainless steel, polyester, Teflon, polyethylene, polypropylene

Unsuitable materials and coatings: Butyl rubber, natural rubber, EPDM, polystyrene

See also: Section 10 – Stability and Reactivity for further information on incompatible materials

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

### Exposure Standards

**New Zealand:** *Workplace Exposure Standards and Biological Exposure Indices, Edition 12: November 2020*

TWA: Oil mist, mineral: 5 mg/m<sup>3</sup>

STEL: Oil mist, mineral: 10 mg/m<sup>3</sup>

Advisory information None

**Australia:** *Workplace Exposure Standards for Airborne Contaminants, 16 December 2019*

TWA: No values established

STEL: No values established

Advisory information None

**International:**

TWA 1200 mg/m<sup>3</sup> (184 ppm) total hydrocarbon vapour (ExxonMobil 2009)

The time weighted average (TWA) exposure standard is the highest allowable average airborne concentration of a particular substance when calculated over an eight-hour working day.

The short-term exposure limit (STEL) exposure standard is the maximum allowable exposure concentration for a substance during any 15-minute period in the working day.

Products may be identified as carcinogens, respiratory or skin sensitisers, or easily absorbed to the skin according to the below notations.

**6.7A:** Confirmed carcinogen

**6.7B:** Suspected carcinogen

**Carc 1A:** Known to have carcinogenic potential for humans

**Carc. 1B:** Presumed to have carcinogenic potential for humans

**Carc. 2:** Suspected human carcinogen

**Skin/Sk:** Substance is considered to have potential for significant skin absorption, risking overexposure

**Sen:** Substance is identified as having potential to cause respiratory and/or dermal sensitisation – an allergic reaction or hypersensitivity affecting skin (dsen) or respiratory system (rsen). High exposure may hasten the onset of the allergy, but once developed in an individual, very low exposures can provoke a significant reaction.

**Biological Limit Values**

None established

**Engineering Controls**

Adequate ventilation should be provided so that exposure limits are not exceeded. Use explosion-proof ventilation equipment.

**Personal Protective Equipment**

**Respiratory protection:** If engineering controls do not maintain airborne contaminant concentrations at a level adequate to protect worker health, it is recommended to wear a half-face filter respirator.

**Recommended filter type:** Type A filter material (organic vapour)

Refer to AS/NZS 1715: *Selection, Use and Maintenance of Respiratory Equipment* and AS/NZS 1716: *Respiratory Protective Devices* for further details on the use of respiratory protective equipment.

**Eye protection:** Safety glasses with side shields

**Skin/ body protection:** Wear chemical resistant gloves. Recommended material: Nitrile

Chemical/oil resistant clothing is recommended

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Property	Unit of measurement	Typical value
Appearance	-	Clear, colourless liquid
Odour	-	Slight
Odour threshold	ppm	Not determined
Melting Point/Freezing Point	°C	Not determined
Boiling Point/ Range	°C	186-213
Flash Point	°C	65
Flammability	-	Combustible
Explosive Limits (LEL – UEL)	%	0.6 – 6.0
Vapour Pressure @ 20°C	kPa	0.05
Vapour Density @ 101 kPa (Air = 1)	-	5.6
Density @15°C	kg/m <sup>3</sup>	790
Autoignition Temperature	°C	233
Decomposition Temperature	°C	Not determined
pH	-	Not applicable
Kinematic Viscosity @40°C	cSt	1.3
@20°C		1.8
Solubility with Water	% w/w	Negligible
Other Solubility	% w/w	Not available
Partition Coefficient: n-octanol/water	-	Log Pow >4
Particle Characteristics	-	Not available

Property	Unit of measurement	Typical value
Percent Volatiles	%	Not available
Other Information	-	Pour Point: -57°C Molecular weight: 161 g/mol Hygroscopic: No Coefficient of Thermal Expansion: 0.00098/°C

The values listed are indicative of this product's physical and chemical properties. For a full product specification, please consult the Product Data Sheet.

## 10. STABILITY AND REACTIVITY

### Reactivity

No reactivity hazards identified

### Chemical Stability

Stable at room temperature and pressure

### Conditions to Avoid

Avoid heat, sparks, open flames and other ignition sources

### Incompatible materials

Strong oxidisers

### Hazardous Decomposition Products

Material does not decompose at ambient temperatures.

### Hazardous Reactions

None identified

### Hazardous Polymerisation

Will not occur

## 11. TOXICOLOGICAL INFORMATION

### Acute Effects

#### **Ingestion**

Minimally toxic following ingestion. Small amounts of liquid aspirated into the lungs during ingestion or from vomiting may cause chemical pneumonitis or pulmonary edema.

#### **Inhalation**

Minimally toxic following inhalation. Negligible irritation hazard at ambient/normal handling temperatures.

#### **Skin Contact**

Minimally toxic following exposure to skin, however the material is mildly irritating to the skin with prolonged exposure.

#### **Eye Contact**

May cause mild, short-lasting discomfort to eyes.

### Chronic Effects

No chronic effects identified. Not expected to be a germ cell mutagen; not expected to cause cancer; not expected to be a reproductive toxicant.

### Other Health Effects Information

Vapour concentrations above recommended exposure levels are irritating to the eyes and the respiratory tract, may cause headaches and dizziness, are anaesthetic and may have other central nervous system effects. Prolonged and/or repeated skin contact with low viscosity materials may defat the skin resulting in possible irritation and dermatitis.

### Toxicological Information

**Acute Toxicity - Oral:** Not classified as acutely toxic by ingestion

LD<sub>50</sub>: >5000 mg/kg

**Acute Toxicity – Dermal:** Not classified as acutely toxic by skin contact

LD<sub>50</sub>: >5000 mg/kg (rabbit)

**Acute Toxicity – Inhalation:** Not classified as acutely toxic by inhalation

LC<sub>50</sub>: >5000 mg/m<sup>3</sup>/4 h (vapour, rat)

**Skin Corrosion/Irritation:** Not classified

**Serious Eye damage/irritation:** Not classified

**Respiratory or Skin Sensitisation:** Not classified

**Germ cell mutagenicity:** Not classified

**Carcinogenicity:** Not classified

**Reproductive Toxicity:** Not classified

**Specific Target Organ Toxicity (STOT) – Single Exposure:** Not classified

**Specific Target Organ Toxicity (STOT) – Repeated Exposure:** Not classified

**Aspiration Hazard:** May be fatal if swallowed and enters airways

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

#### **Aquatic Toxicity**

Not classified

Fish toxicity: No data available

Crustacean toxicity): No data available

Algae toxicity: No data available

#### **Terrestrial Ecotoxicity**

Not classified as hazardous to the terrestrial environment

#### **Persistence/Degradability**

Expected to be readily biodegradable.

Transformation due to hydrolysis or photolysis not expected to be significant.

Expected to degrade rapidly in air.

#### **Bioaccumulative Potential**

No data available

#### **Mobility in Soil**

No information available

#### **Other adverse effects**

No additional adverse effects identified

## 13. DISPOSAL CONSIDERATIONS

### Disposal Methods

Disposal of hazardous waste must be carried out in compliance with all applicable regional and national regulations. This product is NOT suitable for disposal by domestic landfill or via municipal sewers, drains, natural streams or rivers. It must be disposed as chemical waste in accordance with the local authority.

Ensure that disposal of this product and its packaging is in accordance with the Hazardous Substances (Disposal) Notice 2017.

Refer to Section 8 of this SDS for precautions before carrying out disposal or recycling activities.

#### **Product Disposal**

Dispose of product as chemical waste via a licenced service provider.

Product is suitable for burning in an enclosed controlled burner for fuel value or disposal by supervised incineration at very high temperatures to prevent formation of undesirable combustion products.

#### **Packaging Disposal**

Empty packaging should be taken for recycling, recovery or disposal through a suitably qualified or licensed contractor. Care should be taken to ensure compliance with national and local authorities. Packaging may still contain harmful residue and/or fumes and vapours that are combustible. Ensure that empty packaging is allowed to dry

## 14. TRANSPORT INFORMATION

Road and Rail Transport (NZS 5433)		Marine Transport (IMDG)		Air Transport (IATA)	
UN No.	N/R	UN No.	N/R	UN No.	N/R

Proper Shipping Name	N/R	Proper Shipping Name	N/R	Proper Shipping Name	N/R
DG Class	N/R	DG Class	N/R	DG Class	N/R
Sub. Risk	N/R	Sub. Risk	N/R	Sub. Risk	N/R
Packing Group	N/R	Packing Group	N/R	Packing Group	N/R

**Dangerous Goods Segregation**

This product is not regulated for transport.

**Environmental Hazards**

**Marine Pollutant:** No

**Special Precautions**

-

**Additional Information**

-

**Hazchem Code:** N/R

**Marpol 73/78 Convention – Annex II**

**Product Name:** Not determined

**Ship Type:** -

**Pollution:** -

**15. REGULATORY INFORMATION**

**Country/ Region:** New Zealand

**Inventory:** New Zealand Inventory of Chemicals (NZIoC)

**Status:** Listed in NZIoC

**HSNO Approval:**

HSR002649: Solvents (Combustible) Group Standard 2020

**Classification**

**GHS classification:** Flammable liquids, Cat. 4; Aspiration hazard, Cat. 1

**Equivalent HSNO classification:** 3.1D, 6.1E (Aspiration)

**HSNO/HSWA Controls:**

Refer to the above Group Standard, Health and Safety at Work Act 2015, [www.epa.govt.nz](http://www.epa.govt.nz) and [www.worksafe.govt.nz](http://www.worksafe.govt.nz) for further information on controls

**Certified Handler:** Not required

**Tracking:** Not required

**Restriction to workplace:** Not applicable

**Signage:** Threshold quantity: 10,000 L

**Fire extinguishers:** Threshold quantity: 500 L

**Emergency Response Plan:** Threshold quantity: 10,000 L

**Secondary containment:** Threshold quantity: 10,000 L

**Agricultural Compounds and Veterinary Medicines Act 1997 (ACVM)**

Not applicable

**International Agreements**

**Montreal Protocol on Substances that Deplete the Ozone Layer:** Not applicable

**Stockholm Convention:** Not applicable

**Rotterdam Convention:** Not applicable

**Basel Convention:** Not applicable

**International Inventory Status:**

**Australian Inventory of Industrial Chemicals:** Listed in AICIS Inventory

**International Inventories:**

Listed or exempt from listing/notification on: DSL, ENCS, IECSC, KECI, PICCS, TCSI, TSCA



**16. OTHER INFORMATION**

**SDS Version Number:** 2.0

**Reasons for Issue:** Information review and update to GHS format.

**Replaces SDS dated:** 22 January 2019

**New SDS issue date:** 25 March 2022

**Abbreviations:**

ACGIH: American Conference of Governmental Industrial Hygienists

AS/NZS: Standards Australia & Standards New Zealand

BCF: Bioconcentration Factor

BEI: Biological Exposure Index

CAS: Chemical Abstracts Service

CCID: Chemical Classification and Information Database

EC<sub>50</sub>: Effective Concentration, 50 per cent

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

GHS 7: Globally Harmonised System of Classification and Labelling of Chemicals, 7th revised edition, 2017, published by the United Nations

HSNO: Hazardous Substances and New Organisms Act 1996

HSWA: Health and Safety at Work Act 2015

IARC: International Agency for Research on Cancer

IC<sub>50</sub>: Half Maximal Inhibitory Concentration

LC<sub>50</sub>: Lethal Concentration, 50 per cent

LD<sub>50</sub>: Lethal Dose, 50 per cent

LEL: Lower Explosive Limit

LOAEL: Lowest-observed-adverse-effect level

N/R: Not Regulated

NOAEL: No-observed-adverse-effect-level

NOEC: No Observed Effect Concentration

NZIoC: New Zealand Inventory of Chemicals

NZS 5433 New Zealand Standard Transport of Dangerous Goods on Land

OECD: Organisation for Economic Co-operation and Development

STEL: Short-Term-Exposure Limit

TLV: Threshold Limit Value

TWA: Time-Weighted Average

UEL: Upper Explosive Limit

**References:**

- Supplier Safety Data Sheets
- EPA CCID <https://www.epa.govt.nz/database-search/chemical-classification-and-information-database-ccid/>
- Workplace Exposure Standards and Biological Exposure Indices. 12th Edition, published by WorkSafe New Zealand November 2020. <https://worksafe.govt.nz/topic-and-industry/work-related-health/monitoring/exposure-standards-and-biological-exposure-indices>
- US NLM ChemIDPlus: <https://chem.nlm.nih.gov/chemidplus/>
- OECD eChemPortal Substance Search <https://www.echemportal.org/echemportal/>

The information sourced for the preparation of this document was correct and complete at the time of writing to the best of the writer's knowledge. The document represents the commitment to the company's responsibilities surrounding the supply of this product, undertaken in good faith. This document should be taken as a safety guide for the product and its recommended uses, but is in no way an absolute authority. Please consult the relevant legislation and regulations governing the use and storage of this type of product. For further information, please contact ASCC Limited.